Renewable Energy (MNRE) Programme by 2009 besides intensive electrification of already electrified villages in the country.

(b) No, Sir.

(c) Yes, Sir. REC has received 610 projects under RGGVY so far at the cost of Rs.30,717 crore covering 1,18,735 unelectrified villages. 235 projects were taken up for implementation in Phase-I of the scheme. The completion of projects started in Phase-I and the balance projects which are yet to be approved would be carried out once the scheme is approved for continuation in the Eleventh Plan.

Meeting the power shortage

1619. SHRI ABU ASIM AZMI: Will the Minister of POWER be pleased to state:

(a) the details of power shortage in the country as on date, State-wise;

(b) whether Government have sought the necessary assistance from neighbouring countries to meet the shortfall and to improve the power situation;

(c) if so, the details thereof; and

(d) by when the shortfall of power is expected to be covered?

THE MINISTER OF POWER (SHRI SUSHILKUMAR SHINDE): (a) The State-wise details of power shortage in the country during July'07 and April-July'07 are given in the Statement (*See* below).

(a) India has agreements of co-operation with Bhutan and Nepal for exchange of power. The cooperation between India and Bhutan in the field of hydropower has been helpful in bridging the gap between demand and supply of electricity in the country. The bulk of power generated from hydroelectric projects at Tala (1020 MW), Chukha (336 MW) and Kurichhu (60 MW) in Bhutan, which have been implemented with technical and financial assistance of India, is exported to India.

The inter-border exchange of power between India and Nepal has also been taking place for mutual assistance in supplying power to border areas of the two countries under a bilateral arrangement with Nepal being net importer of power.

There is no agreement for exchange of power with any other country except Bhutan and Nepal. However, discussions have been held with the South Asian countries in the *fora* of South Asian Association for Regional Cooperation (SAARC) and BIMSTEC (Bay of Bengal Initiative for Multi Sectoral Technical and Economic Cooperation) covering many areas of cooperation, including power.

(e) With the measures being taken, including proposed capacity addition of 78,577 MW during the Eleventh Plan, the ngap between demand and supply of power in the country as a whole is likely to be bridged by the end of Eleventh Plan.

Statement

State-wise details of power shortage in the country during July, 2007

and April-July, 2007 Actual Power Supply Position (Provisional)

(Figures in MU net)

State System / Region	July, 2007				April, 2007 to July, 2007			
	Requirement (MU)	Availability (MU)	Surplus/Deficit (-) (MU)	(%)	Requirement (MU)	Availability (MU)	Surplus/Deficit (-) (MU)	(%)
1	2	3	4	5	6	7	8	9
Chandigarh	144	144	0	0.0	549	549	0	0.0
Delhi	2,329	2,324	-5	-0.2	8,650	8,630	-20	-0.2
Haryana	2,953	2,753	-200	-6.8	9,841	9,122	-719	-7.3
Himachal Pradesh	511	511	0	0.0	1,921	1,910	-11	-0.6
Jammu and Kashmir	712	642	-70	-9.8	3.423	2,571	-852	-24.9
Punjab	4,908	4,708	-200	4.1	15,439	14,888	-551	-3.6
Rajasthan	2,593	2,593	0	0.0	11,023	10,984	-39	-0.4
Uttar Pradesh	5,334	4,584	-750	-14.1	20,754	18,225	-2,529	-12.2
Uttaranchal	596	596	0	0.0	2,264	2,231	-33	-1.5
Northern Region	20,080	18,855	-1,225	-6.1	73,864	69.110	-4.754	-6.4
Chhattisgarh	1,164	1,116	48	4.1	4,746	4,467	-279	-5.9

Gujarat	4,457	4,079	-378	-8.5	21,727	18,773	-2,954	-13.6
Madhya Pradesh	2,428	2,358	-70	-2.9	11,430	10,170	-1,260	-11.0
Maharashtra	8,247	7,361	-886	-10.7	37,287	30,647	-6,640	-17.8
Daman and Diu	139	125	-14	-10.1	557	504	-53	-9.5
D.N.Haveli	260	260	9	0.0	1,076	1,076	0	0.0
Goa	222	221	-1	-0.5	929	920	-9	-1.0
Western Region	16,917	15,520	-1,397	-8.3	77,752	66,557	-11,195	-14.4
Andhra Pradesh	5,259	5,096	-163	-3.1	20,561	19,453	-1,108	-5.4
Karnataka	3,058	3,031	-27	-0.9	12,924	12,609	-315	-2.4
Kerala	1,203	1,191	-12	-1.0	5,105	4,993	-112	-2.2
Tamil Nadu	5,634	5,593	41	-0.7	22,070	21,712	-358	-1.6
Pondicherry	161	161	0	0.0	641	641	0	0.0
Lakshadweep #	2	2	0	0.0	8	8	0	0.0
Southern Region	15,315	15,072	-243	-1.6	61.301	59408	-1,893	-3.1
Bihar	734	680	-54	-7.4	2,980	2,754	-226	-7.6
DVC	1,092	1,078	-14	-1.3	4,375	4,292	-83	-1.9
Jharkhand	386	369	-17	-4.4	1,565	1,498	-67	4.3
Orissa	1,612	1,594	-18	-1.1	6,083	5,986	-97	-1.6
West Bengal	2,463	2,402	-61	-2.5	9,999	9,715	-284	-2.8

1	2	3	4	5	6	7	8	9
Sikkim	21	20	-1	-4.8	84	82	-2	-2.4
Andaman-Nicobar #	20	15	-5	-25.0	80	60	-20	-25.0
Eastern Region	6,308	6,143	-165	-2.6	25,086	24,327	-759	-3.0
Arunachal Pradesh	28	26	-2	-7.1	120	102	-18	-15.0
Assam	445	420	-25	-5.6	1,557	1,442	-115	.-7.4
Manipur	50	47	-3	-6.0	153	139	-14	-9.2
Meghalaya	154	125	-29	-18.8	534	370	-164	-30.7
Mizoram	24	19	-5	-20.8	93	72	-21	-22.6
Nagaland	29	26	-3	-10.3	132	115	-17	-12.9
Tripura	68	62	-6	-8.8	242	223	-19	-7.9
North-Eastern Region	798	725	-73	-9.1	2,831	2,463	-368	-13.0
ALL INDIA:	59,418	56,315	-3,103	-5.2	240,834	221,865	-18,969	-7.9

Lakshadweep and Andaman and Nicobar Islands are stand-alone systems, power supply position of these, does not form part of regional requirement and availability.

Note: Both peak met and energy availability represent the net consumption (including the transmission losses) in the various States. Net export has been accounted for in the consumption of importing States.

(Source: CEA)

Peak Demand and Peak Met (Provisional)

(Figures in MW net)

State System / Region	July, 2007 Peak Demand (MW)	July, 2007 Peak Met (MW)	July, 2007 Surplus/Deficit (-) (MW)	July, 2007 Surplus/Deficit (-) (%)	April, 2007 to July, 2007 Peak Demand (MW)	April, 2007 to July, 2007 Peak Met (MW)	April, 2007 to July, 2007 Surplus/Deficit (-) (MW)	April, 2007 to July, 2007 Surplus/Deficit (-) (%)
1	2	3	4	5	6	7	8	9
Chandigarh	264	264	0	0.0	275	275	0	0.0
Delhi	3,909	3,903	-6	-0.2	4,075	4,030	45	-1.1
Haryana	5,000	4,433	-567	-11.3	5,000	4,583	-417	-8.3
Himachal Pradesh	874	874	0	0.0	874	874	0	0.0
Jammu and Kashmir	1,377	1,227	-150	-10.9	1,700	1,306	-394	-23.2
Punjab	8,000	6,987	-1,013	-12.7	8,000	7,052	-948	-11.9
Rajasthan	4,088	4,088	0	0.0	4,792	4,792	0	0.0
Uttar Pradesh	9,000	8,264	-736	-8.2	9,228	8,328	-900	-9.8
Uttaranchal	1,054	1,054	0	0.0	1,099	1,080	-19	-1.7
Northern Region	32,072	29,414	-2,658	-8.3	32,072	29,414	-2,658	-8.3
Chhattisgarh	2,064	1,823	-241	-11.7	2,266	1,853	413	-18.2
Gujarat	9,642	7,982	-1,660	-17.2	10,728	8,376	-2,352	-21.9

1	2	3	4	5	6	7	8	9
Madhya Pradesh	4,172	4,151	-21	-0.5	5,932	4,829	-1,103	-18.6
Maharashtra	15,127	11,242	-3,885	-25.7	18,441	12,837	-5,604	-30.4
Daman and Diu	218	199	-19	-8.7	218	199	-19	-8.7
D.N. Haveli	433	398	-35	-8.1	433	398	-35	-8.1
Goa	404	376	-28	-6.9	457	408	49	-10.7
Western Region	30,397	24,268	-6,129	-20.2	36,371	26,732	-9,639	-26.5
Andhra Pradesh	8,410	7,866	-544	-6.5	9,701	8,641	-1,060	-10.9
Karnataka	4,850	4,715	-135	-2.8	6,583	5,506	-1,077	-16.4
Kerala	2,556	2,545	-11	-0.4	2,764	2,711	-53	-1.9
Tamil Nadu	8,716	8,561	-155	-1.8	8,776	8,591	-185	-2.1
Pondicherry	245	245	0	0.0	276	276	0	0.0
Lakshadweep	6	6	0	0	6	6	0	0
Southern Region	24,083	23,207	-876	-3.6	25,682	24,194	-1,488	-5.8
Bihar	1,493	1,243	-250	-16.7	1,493	1,243	-250	-16.7
DVC	1,733	1,715	-18	-1.0	1,787	1,757	-30	-1.7
Jharkhand	660	651	-9	-1.4	672	672	0	0.0
Orissa	2,725	2,669	-56	-2.1	2,725	2,669	-56	-2.1

West Bengal	4,763	4,714	49	-1.0	4,887	4,854	-33	-0.7
Sikkim	45	45	0	0.0	45	45	0	0.0
Andaman-Nicobar#	40	32	-8	-20.0	40	32	-8	-20
Eastern Region	10,874	10,510	-364	-3.3	10.874	10,562	-312	-2.9
Arunachal Pradesh	78	57	-21	-26.9	81	57	-24	-29.6
Assam	799	707	-92	-11.5	829	707	-122	-14.7
Manipur	100	90	-10	-10.0	100	90	10	-10.0
Meghalaya	388	278	-110	-28.4	404	278	-126	-31.2
Mizoram	60	52	-8	-13.3	77	52	-25	-32.5
Nagaland	82	82	0	0.0	82	82	0	0.0
Tripura	142	141	-1	-0.7	147	141	-6	-4.1
North-Eastern Region	1,589	1,343	-246	-15.5	1,589	1,343	-246	-15.5
ALL INDIA:	99,015	88,742	-10,273	-10.4	102 428	88,742	-13,686	-13.4

Lakshadweep and Andaman & Nicobar Islands are stand-alone systems, power supply position of these, does not form part of regional requirement and availability.

Note: Both peak met and energy availability represent the net consumption (including the transmission losses) in the various States. Net export has been accounted for in the consumption of importing States.

(Source : CEA)